READ ME FIRST !!

IP-SPOOL

APPLICATION

RELEASE NOTES

FOR

DT-6XXX

EMBEDDED NETWORK PROCESSORS

BUILD 8, 9, 10, 11, & 12.0

721 Route 202-206
Bridgewater, NJ 08807
fax: 908.218.1736
phone: 908.218.0500
email: sales@datatekcorp.com
http://www.datatekcorp.com

Datatek
APPLICATIONS, INC

TABLE OF CONTENTS

Important Safety Instructions 3

IMPORTANT ! ! 4

1 Introduction 5

2 Product Features 5

3 Release Changes 5

3.1 New for Build 8 5

3.1.1 New and Changed Commands 5

3.1.2 Other Changes 6

3.2 New for Build 9 6

3.3 New for Build 10 6

3.3.1 New and Changed Commands 6

3.3.2 Command Output Changes 6

3.3.3 Other Changes 6

3.4 New for Build 11 7

3.4.1 New and Changed Commands 7

3.4.2 Command Output Changes 7

3.4.3 Other Changes 7

3.5 New for Build 12.0 8

3.5.1 New and Changed Commands 8

3.5.2 Command Output Changes 8

3.5.3 Other Changes 8

4 Installation Addendum 8

4.1 Constraints 8

4.2 Obtaining Information from Datatek 8

4.2.1 Special Considerations for Duplex Operation 11

5 Documentation 11

6 Appendix A:IP-SPOOL Instance Number to TCP Port Conversion Table 12

7 Hardware Warranty 14

8 End-User License Agreement for Software 14

8.1 Software License 14

8.2 Intellectual Property Rights 14

8.3 Software Support 15

8.4 Export Restrictions 15

8.5 Limited Warranty 15

8.6 No Other Warranties 15

8.7 Special Provisions 15

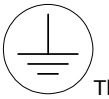
9 Limitation of Liability 16

Important Safety Instructions

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the DT-6XXX product.

When installing, operating, or maintaining this equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

- ❑ Read and understand all instructions.
- ❑ Follow all warnings and instructions marked on this product.
- ❑ For information on proper mounting instructions, consult the User's Manual provided with this product.
- ❑ The telecommunications interface should not leave the building premises unless connected to telecommunication devices providing primary and secondary protection.
- ❑ This product should only be operated from the type of power source indicated in the User's Manual.
- ❑ This unit is intended to be powered from either –48 V DC or AC voltage sources. See User's Manual before connecting to the power source.
- ❑ The –48 V DC input terminals are only provided for installations in Restricted Access Areas locations.
- ❑ Do not use this product near water, for example, in a wet basement.
- ❑ Never touch uninsulated wiring or terminals carrying direct current or leave this wiring exposed. Protect and tape wiring and terminals to avoid risk of fire, electric shock, and injury to service personnel.
- ❑ To reduce the risk of electrical shock, do not disassemble this product. Service should be performed by trained personnel only. Opening or removing covers and/or circuit boards may expose you to dangerous voltages or other risks. Incorrect re-assembly can cause electric shock when the unit is subsequently used.
- ❑ For a unit intended to be powered from –48 V DC voltage sources, read and understand the following:
  - This equipment must be provided with a readily accessible disconnect device as part of the building installation.
  - Ensure that there is no exposed wire when the input power cables are connected to the unit.
  - Installation must include an independent frame ground drop to building ground. Refer to User's Manual.

  This symbol is marked on the DT-6XXX, adjacent to the ground (earth) area for the connection of the ground (earth) conductor.
- ❑ This Equipment is to be Installed Only in Restricted Access Areas on Business and Customer Premises Applications in Accordance with Articles 110-16, 110-17, and 110-18 of the National Electrical Code, ANSI/NFPA No. 70. Other Installations Exempt from the Enforcement of the National Electrical Code May Be Engineered According to the Accepted Practices of the Local Telecommunications Utility.
- ❑ For a unit used with an AC Wall Plug-In Unit, read and understand the following:
  - A DT-6061 unit was tested with the K'TRON, Model KA-52A Wall Plug-In Unit and a DT-6X60 with a Phi Hong Model PSA-30U-240 Wall Plug-In Unit (110-240 V AC to 24 V DC)..
  - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
  - Do not staple or otherwise attach the power supply cord to the building surfaces.
  - Do not overload wall outlets and extension cords as this can result in the risk of fire or electric shock.
  - The socket outlet shall be installed near the equipment and shall be readily accessible.
  - The Wall Plug-In unit may be equipped with a three-wire grounding type plug, a plug having a third (grounding) pin. This plug is intended to fit only into a grounding type power outlet. Do not defeat the safety purpose of the grounding type plug.
  - Do not allow anything to rest on the power cord. Do not locate this product where the cord may be abused by persons walking on it.
  - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    a) When the powers supply cord or plug is damaged or frayed.
    b) If liquid has been spilled into the product.
    c) If the product has been exposed to rain or water.
    d) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions because improper adjustment of other controls may result in damage and will often require extensive work by qualified technician to restore the product to normal operation.
    e) If the product has been dropped or the cabinet has been damaged.
    f) If the product exhibits a distinct change in performance.

Save These Instructions

IMPORTANT ! !

USER DOCUMENTATION IS AVAILABLE AT OUR WEB SITE.

Documentation:	http://www.datatekcorp.com
Sales:	sales@datatekcorp.com

SPECIAL INSTALLATION AND UPGRADE PROCEDURES

1. ***New "Build Numbers":*** **Build numbers, beginning with this release, consist of two parts: a release number and version level. Technically, this software is called software release 12.0. The first field is the base. The second field is the maintenance level of the software. Various commands require both fields, so when supplying build information to Datatek for key generation, etc., supply the complete two-part build number. Generally, text showing only the first part means that whatever is being discussed applies to any and all versions of that release (base).**
2. ***Platform Build Compatibility:*** **This build (12.0) must be installed on a DT-6061 running platform software build 16.0 or higher or on a DT-6160 or DT-6260 using any of their platform software builds. This build is the first build that is compatible with the new DT-6160 and DT-6260 Embedded Network Processors as well as the existing DT-6061 processor. *Please review the Release Notes for Build 16.0 of the DT-6061 Platform software before attempting to install this version of the IP-SPOOL application.***
3. ***Registration:*** **Starting with DT-6061 platform release 16.0 or DT-6X60 platform release 1.0, the platform software must be registered for each DT-6061/DT-6X60 on which it is installed. In addition, each application must be registered for each DT-6XXX[1] on which it is installed. An application is registered only once per DT-6XXX regardless of the number of instances of that application running on a particular DT-6XXX. Note that any application will not run after the new platform software is installed unless both the platform and application are registered. Keys may be obtained in advance of the installation of software. Changing either the release level or the version level requires that a new key be obtained and the re-registration of the particular software entity. See section 4.3 for details.**

[1] These three processors, DT-6061, DT-6160, and DT-6260 constitute a family that is generically called the DT-6XXX processors.

1 INTRODUCTION

These release notes highlight the application features, modifications, known caveats and any special considerations for the **IP-SPOOL** application. For detailed information on this product, reference the **IP-SPOOL Application User's Manual** that can be downloaded from the WEB site above.

2 PRODUCT FEATURES

Many existing networking equipment consoles have the need for a dedicated print device. Similarly, legacy hosts and their applications typically assume a dedicated printer of which their use is exclusive. Many of these print devices are under-utilized, but require considerable periodic maintenance. Finally, the physical location of these printers may not be convenient, due to requirements implied by their legacy interfaces.

Many modern host applications use RFC1179 print spooling to share a common print resource. The purpose of the IP-SPOOL application is to provide that same functionality to the dedicated printer interfaces of legacy systems.

The IP-SPOOL application has two distinct purposes:

- Allow convenience by providing the ability to route print output to a shared printer anywhere in the network infrastructure.
- Reduce the overall cost associated with legacy interfaces by eliminating dedicated equipment.

3 RELEASE CHANGES

3.1 NEW FOR BUILD 8

3.1.1 NEW AND CHANGED COMMANDS

- A **label (la)** command has been added: with syntax

  `Syntax: label [word (no spaces) | none]`

  If the command is issued without arguments, the current configuration is displayed. When issued with an argument of "none", the label becomes a NULL label. Otherwise, a label up to 8 characters is allowed. The label may be a mixture of alpha characters and digits. Case is always lower case.

- The **dlog** command is used to display all entries in the log file

  `Syntax: dlog [clr]`

  An exclamation point (!) that precedes a log entry denotes new entries. A double asterisk
  (**) that precedes a log entry denotes duplicate entries.

  The log file can be cleared with the clr option**: dlog clr.**

- The **comment (cmt)** command is used to configure a comment field applicable to this instance of this application. The comments are visible on a **verify** command. The use of this command is not required if no comments are desired.

  ```
  Syntax: comment [ L1="Comment Text #1" ]
                  [ L2="Comment Text #2" ]
                  [ L3="Comment Text #3" ]
  ```

  The **L1, L2,** and **L3** comment fields allow the console administrator to appropriately label this application should multiple installations be used. The text is a maximum of 60 characters in length for each field.

- Changed the **login** command so that when the prompt for the password is made on the second line **(passwd=)**, the response is echo suppressed with asterisks used as place- holders.

3.1.2 OTHER CHANGES

- Fixed a problem so that the **display queue (dq)** command works properly.
- Application errors are now sent to the application console, not the DT-6061 console, except for the error that the application failed to start.
- Print jobs would be concatenated together if the printer were unavailable (down or busy). This problem has been fixed.

3.2 NEW FOR BUILD 9

Build 9 was a rebuild of build 8 in order to reformat the load module for compatibility with build 14 and above of the DT-6061 platform software. No new features were added nor any fixes applied.

3.3 NEW FOR BUILD 10

3.3.1 NEW AND CHANGED COMMANDS

- A new option, **errors**, has been added to the **prt** command when defining the shared printer:

  ```
  Syntax: prt [ dest=<IP Address> ] [ timeout=<#secs> ] [
  retry=<#secs> ][ tcpport=<721-731 or 0 > ] [
  queue=<queuename > ] [ errors=<#errors | off> ]
  ```

  The **errors** parameter specifies whether to remove or not remove the printer from service after the specified number of errors has occurred. The range is 1 to 10 errors. The value "**off**" means do not remove the printer.

- Case sensitive passwords now work when the prompted mode of the **login** command is used. Prompted mode is when the password is not specified on the same line as the command **login**.

3.3.2 COMMAND OUTPUT CHANGES

- The **vfy** command was changed to add the **errors** parameter for the **prt** command.

3.3.3 OTHER CHANGES

- Fixed an error introduced in build 8 that affected the output of large print jobs of several pages or more.

- Passwords can now be case sensitive

3.4 NEW FOR BUILD 11

3.4.1 NEW AND CHANGED COMMANDS

- A Label can now be up to 32 characters long excluding the double quotes with which it is enclosed when being configured. **When upgrading to this build, any label that was previously entered is lost and must be re-entered.**

```
Syntax:    label [ <"label string"> | none ]
```

- The **capture** and the original **banner** commands have been eliminated. Their parameters are now part of the revised **prt** command:

```
Syntax:   prt    [ dest=<IP Address> ] [ timeout=<#secs>]
      [ retry=<#secs> ][ tcpport=<source TCP port >]
        [ queue=<queue name> ] ]
        [ class=<string> ] [ host=<string> ]
        [ user=<string> ]
          [ capture=<#seconds>][ errors=<#errors | off> ]
```

The functions of these transplanted parameters are the same as in previous releases. The values allowed for the **capture** parameter are the same, but the maximum length of the **class**, **host**, and **user** parameters is now 30 characters each.

- A new **banner** command has been added.

```
Syntax: banner [ L<#>="System Banner Line <#>" | default]
```

The **banner** command is only visible when the application is *logged in*. The command is used to configure a system message banner that is displayed to the administrators upon connection to the IP-Spool application. The banner can consist of a maximum of eight (8) lines of 60 characters each of text including spaces.. Each line may be configured independently of each other with its own tag (i.e. L1, L2, …, L8). The banner lines are visible on a **vfy** command or by invoking the **banner** command with no parameters. The use of this command is not required if no banner is desired. The banner may be cleared by using the **banner** command with the parameter called **default.** This will delete all banner lines.

3.4.2 COMMAND OUTPUT CHANGES

- The output of the **vfy** command has changed to show the **label** string, **class**, **host**, **user**, and **capture** parameters as well as what the current banner is, if any.

3.4.3 OTHER CHANGES

- A program crash was fixed that was caused when the control file length was too long. The file can be long if there are very long class, user, host, and/or queue names.

- The call to the printer is disconnected when an error occurs. The printer is not taken out of service unless the number of errors has exceeded the threshold set in the **prt** command via the **errors** parameter.
- If a write to the printer fails while printing (the sender end disconnects), the call to the printer is torn down and the print queue is cleared
- Application generated errors no longer go to the DT-6XXX console. Instead they are logged in the error log, which can be displayed using **dlog** command.

3.5 NEW FOR BUILD 12.0

3.5.1 NEW AND CHANGED COMMANDS

- None

3.5.2 COMMAND OUTPUT CHANGES

- The version command, **ver**, now prints the two-part build number.
- A change was made in the **vfy** command so that it would print the correct local IP address.

3.5.3 OTHER CHANGES

- Support was added which enables this application to run on the new DT-6160 and DT-6260 platforms as well as the DT-6061 platform.
- Logic was added to use the TCP probe method for keep-alives. If there is no response to a TCP probe from the distant end after an initial time-out period of 200 seconds, additional probes are sent up to 8 times at 12-second intervals. If there is still no response during the probing period, then the connection is dropped with a RST+ACK.

4 INSTALLATION ADDENDUM

4.1 CONSTRAINTS

The DT-6061 platform software must be upgraded to platform build 16.0 or higher before installing this build (12.0) of the **IP-SPOOL** Application. This build will also run on any DT-6X60 platform. Please review the Release Notes for Build 16.0 or higher of the DT-6061 Platform software or the Release Notes for Build 1.0 of the DT-6X60 Platform software for details.

4.2 OBTAINING INFORMATION FROM DATATEK

Load modules for all the Datatek migration products are obtained by sending email to either Bill Arndt at arndt@datatekcorp,com or Dan Conklin at conklin@datatekcorp.com. All other documentation, including release notes, user manuals, “white-papers”, etc. can be accessed on the Datatek website www.datatekcorp.com and downloaded for use.

To insure that the correct version of the binary load module files have been retrieved and have not been corrupted during the transmission process, the UNIX® “**sum**” command can be used. After unzipping (if necessary) and transmitting the files to the target UNIX host server from the PC to which the load modules were initially sent from Datatek, on the UNIX host

® UNIX is a registered trademark in the United States and other countries licensed exclusively through X/Open Company, Ltd.

Key-in **sum < name of downloaded file>.**

The values returned must match the numbers shown below:

Key-in: **sum ipspool.dt6**

Response**: 29824 134 ipspool.dt6**

4.3 REGISTRATION

(The discussion below pertains to any DT-6XXX platform and to any application running on one of these platforms. Examples below will concentrate on the DT-6061 but the concepts apply also to the new DT-6160 and DT-6260 platforms.)

Beginning with DT-6061 platform build 16.0, the software for any DT-6XXX platform requires a key for activation. In addition, *any application running on a DT-6061 platform* software build 16.0 and above requires a key for activation.

After installing the new platform software build 16.x and rebooting, before the DT-6061 may return to service, the software must be registered. The application(s) resident on this DT-6061 platform build must be registered also. Once the reboot is executed, the application(s) will not run until the application registration process is completed. One cannot login into the application console until both the platform software and application software are registered.

One key is needed for the DT-6061 platform and one key for each different application resident on a DT-6061, regardless of the number of instances of that application on this particular DT-6061. Using the DT-6061 serial console, run the **register** command to register the DT-6061 platform (module) and **regapp** command to register the application(s). Changing either the release level or the version level requires that a new key be obtained and the re-registration of the particular software entity.

Run the **register** command, which will produce the output similar to that shown below. Contact Datatek with the information in order to obtain the software key. Rerun the **register** command and enter the software key at the prompt or on the command line.

```
<rainbow: DT-6061> register ↵
Product_Code=DT-6061
MAC=0.96.28.2.55.219
HW_SERNUM=0.0.6.240.61.162
Build_Number=16.0
Build_Date="Mon Jan 19 23:10:14 EST 2004"
Enter key: ↵
No key entered
<rainbow: DT-6061>
```

The **vfy mod** command displays the state of the registration.

```
<rainbow: DT-6061> vfy mod
        Module is: Registered
         hostname: testbox
         ippublic: 192.167.8.250
           status: Active
          ipother: 192.167.8.13
```

```
            label: rainbow
           ipaddr: 192.167.8.20
          submask: 255.255.255.0
          gateway: 192.167.8.1
         mac addr: 0.96.28.2.55.219
         serial #: 0.0.6.239.61.162
          build #: 16.0
            rtu #: 10
         built on: Mon Jan 19 23:10:14 EST 2004
           booted: 3.08 days ago
<rainbow: DT-6061>
```

Similarly for the application(s), run the **regapp** command:

```
rainbow: DT-6061> regapp ↵
Unregistered applications:
   X25pad: Build 23.1 "Mon Mar 15 11:45:39 EDT 2004"
  MAC Address = 0.96.28.2.55.219
  Serial Number = 0.0.6.240.61.162
application registration key ? KEY= ↵
Usage: regapp [ <key> ]
<rainbow: DT-6061>
```

A typical output of the **vfy app** is displayed below:

```
<rainbow: DT-6061> vfy app ↵
Installed applications:
   b2aprt: Build 7.0 "Wed Oct 23 14:22:11 EDT 2002"
   ip_bhi: Build 6.0 "Fri Oct 25 08:44:47 EDT 2002"; Not Registered
    ipspool: Build 11.0 "Mon Oct 6 14:27:15 EDT 2003"
   tn3270: Build 13.0 "Wed Aug 18 17:35:58 EDT 2004"
   x25pad: Build 23.1 "Mon Mar 15 11:45:39 EST 2004"
Running applications:
  1 b2aprt  (9190)
  2 none    (9193)
  3 none    (9197)
  4 none    (9202)
  5 none    (9210)
  6 none    (9223)
  7 none    (9236)
  8 none    (9237)
  9 none    (9238)
 10 x25pad  (9461)
 11 x25pad  (9523)
```

```
 12 x25pad  (9524)
 13 x25pad  (9525)
 14 x25pad  (9526)
 15 x25pad  (9343)
 16 x25pad  (9344)
 17 x25pad  (9345)
 18 x25pad  (9346)
 19 x25pad  (9347)
 20 none    (12054) ip_bhi-unreg
 21 none    (9456)
 22 none    (9457)
 23 none    (9458)
 24 none    (9459)
 25 none    (9460)
 26 none    (9527)
 27 none    (9528)
 28 none    (9625)
 29 none    (9626)
 30 x25pad  (9627)
<rainbow: DT-6061>
```

If the DT-6XXX platform software is not registered, **vfy app** will show the application status as ***rfs*** (ready-for-service)

The hardware information needed for the key generation process, which is the *MAC* address and *hardware serial number* of the DT-6XXX, can be obtained before the new platform is installed by running either the **rstpass** command or **vfy mod** command. The same *MAC* address and *serial number* are also used in generating an application key. Supply Datatek with this information and the software version (two-part build number) of the platform to which you are upgrading and the software version(s) (two-part build number(s)) of the application(s) that are resident or to be installed on the platform.

4.3.1 SPECIAL CONSIDERATIONS FOR DUPLEX OPERATION

Note that in a duplex operation, the platform and applications must be registered on the standby also. The keys are different because the standby has a different MAC address and hardware serial number than the active. So obtain the MAC address and hardware serial number on the standby for key generation by Datatek. Switchover will not work properly if the software on the standby is not registered.

5 DOCUMENTATION

The current version of the **IP-SPOOL User Manual** is **1.0.11**. The new commands and features for builds 8 through 12.0 are shown above in the product feature section. There are no user manual changes for build 12.0. The user manual and these release notes are available on the Datatek web site at

http://www.datatekcorp.com/support/support_soft_firm_updates.html

6 APPENDIX A:IP-SPOOL INSTANCE NUMBER TO TCP PORT CONVERSION TABLE

Instance Number of DT-6XXX running IP-SPOOL	Default IP-SPOOL Virtual Printer TCP Port Connect.
1	30,000
2	30,200
3	30,400
4	30,600
5	30,800
6	31,000
7	31,200
8	31,400
9	31,600
10	31,800
11	32,000
12	32,200
13	32,400
14	32,600
15	32,800
16	33,000
17	33,200
18	33,400
19	33,600
20	33,800
21	34,000
22	34,200
23	34,400
24	34,600
25	34,800

Instance Number of DT-6XXX running IP-SPOOL	Default IP-SPOOL Virtual Printer TCP Port Connect.
26	35,000
27	35,200
28	35,400
29	35,600
30	35,800
31	36,000
32	36,200
33	36,400
34	36,600
35	36,800
36	37,000
37	37,200
38	37,400
39	37,600
40	37,800
41	38,000
42	38,200
43	38,400
44	38,600
45	38,800
46	39,000
47	39,200
48	39,400

*Note instances 31 through 48 are valid only when using a DT-6260.

The IP-SPOOL application is used in conjunction with the IP-B2APRT application. The IP-B2APRT sets up a TCP call to the IP-SPOOL instance to a virtual printer. Each instance corresponds to one virtual printer. The IP-B2APRT application uses the TCP port numbers shown above to access a virtual printer in IP-SPOOL.

7 HARDWARE WARRANTY

The warranty period for the DT-6XXX hardware on which this application executes shall be ninety (90) days from the date of shipment of the hardware from Datatek Applications, Inc. Replacements and repairs are guaranteed for the longer of the remaining original warranty period or 30 days whichever is longer.

8 END-USER LICENSE AGREEMENT FOR SOFTWARE

This License Agreement ("License") is a legal contract between you and the manufacturer ("Manufacturer") of the system ("HARDWARE") with which you acquired software product(s) identified above ("SOFTWARE"). The SOFTWARE may include printed materials that accompany the SOFTWARE. Any software provided along with the SOFTWARE that is associated with a separate end-user license agreement is licensed to you under the terms of that license agreement. By installing, copying, downloading, accessing or otherwise using the SOFTWARE, you agree to be bound by the terms of this LICENSE. If you do not agree to the terms of this LICENSE, Manufacturer is unwilling to license the SOFTWARE to you. In such event, you may not use or copy the SOFTWARE, and you should promptly contact Manufacturer for instructions on return of the unused product(s) for a refund.

8.1 SOFTWARE LICENSE

You may only install and use one copy of the SOFTWARE on the HARDWARE (unless otherwise licensed by Manufacturer). The SOFTWARE may not be installed, accessed, displayed, run, shared or used concurrently on or from different computers, including a workstation, terminal or other digital electronic device (“Devices”). Notwithstanding the foregoing and except as otherwise provided below, any number of Devices may access or otherwise utilize the services of the SOFTWARE. You may not reverse engineer, decompile, or disassemble the SOFTWARE, except and only to the extent that such activity is expressly permitted by applicable law notwithstanding this limitation. The SOFTWARE is licensed as a single product. Its component parts may not be separated for use on more than one HARDWARE. The SOFTWARE is licensed with the HARDWARE as a single integrated product. The SOFTWARE may only be used with the HARDWARE as set forth in this LICENSE. You may not rent, lease or lend the SOFTWARE in any manner. You may permanently transfer all of your rights under this LICENSE only as part of a permanent sale or transfer of the HARDWARE, provided you retain no copies, you transfer all of the SOFTWARE (including all component parts, the media and printed materials, any upgrades, this LICENSE and, if applicable, the Certificate(s) of Authenticity), and the recipient agrees to the terms of this LICENSE. If the SOFTWARE is an upgrade, any transfer must also include all prior versions of the SOFTWARE. Without prejudice to any other rights, Manufacturer may terminate this LICENSE if you fail to comply with the terms and conditions of this LICENSE. In such event, you must destroy all copies of the SOFTWARE and all of its component parts.

8.2 INTELLECTUAL PROPERTY RIGHTS

The SOFTWARE is licensed, not sold to you. The SOFTWARE is protected by copyright laws and international copyright treaties, as well as other intellectual property laws and treaties. You may not copy the printed materials accompanying the SOFTWARE. All title and intellectual property rights in and to the content which may be accessed through use of the SOFTWARE is the property of the respective content owner and may be protected by applicable copyright or other intellectual property laws and treaties. This LICENSE grants you no rights to use such content. All rights not expressly granted under this LICENSE are reserved Manufacturer and its licensors (if any).

8.3 SOFTWARE SUPPORT

SOFTWARE support is not provided by Manufacturer, or its affiliates or subsidiaries separate from the HARDWARE. For SOFTWARE support, please contact your supplier of the HARDWARE. Should you have any questions concerning this LICENSE, or if you desire to contact Manufacturer for any other reason, please refer to the address provided in the documentation for the HARDWARE.

8.4 EXPORT RESTRICTIONS

You agree that you will not export or re-export the SOFTWARE to any country, person, or entity subject to U.S. export restrictions. You specifically agree not to export or re-export the SOFTWARE: (i) to any country to which the U.S. has embargoed or restricted the export of goods or services, which as of March 1998 include, but are not necessarily limited to Cuba, Iran, Iraq, Libya, North Korea, Sudan and Syria, or to any national of any such country, wherever located, who intends to transmit or transport the products back to such country; (ii) to any person or entity who you know or have reason to know will utilize the SOFTWARE or portion thereof in the design, development or production of nuclear, chemical or biological weapons; or (iii) to any person or entity who has been prohibited from participating in U.S. export transactions by any federal agency of the U.S. government.

8.5 LIMITED WARRANTY

Manufacturer warrants that (a) the SOFTWARE will perform substantially in accordance with the accompanying written materials for a period of ninety (90) days from the date of shipment. Software support is limited to the hours of 9 AM to 5 PM ET Monday through Friday excluding Datatek-observed holidays. Any implied warranties on the SOFTWARE are limited to ninety (90) days. Some states/jurisdictions do not allow limitations on duration of an implied warranty, so the above limitation may not apply to you.

Manufacturer's and its suppliers' entire liability and your exclusive remedy shall be, at Manufacturer's option, either (a) return of the price paid, or (b) repair or replacement of the SOFTWARE that does not meet this Limited Warranty and which is returned to Manufacturer with a copy of your receipt. This Limited Warranty is void if failure of the SOFTWARE has resulted from accident, abuse, or misapplication. Any replacement SOFTWARE will be warranted for the remainder of the original warranty period or thirty (30) days, whichever is longer.

8.6 NO OTHER WARRANTIES

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, MANUFACTURER AND ITS SUPPLIERS DISCLAIM ALL OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT, WITH REGARD TO THE SOFTWARE AND THE ACCOMPANYING WRITTEN MATERIALS. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY HAVE OTHERS, WHICH VARY FROM STATE/JURISDICTION TO STATE/JURISDICTION.

8.7 SPECIAL PROVISIONS

The SOFTWARE and documentation are provided with RESTRICTED RIGHTS. Use, duplication, or disclosure by the United States Government is subject to restrictions as set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and HARDWARE Software clause at DFARS 252.227-7013 or subparagraphs (c)(1) and (2) of the Commercial HARDWARE Software-Restricted Rights at 48 CFR 52.227-19, as applicable. Manufacturer is Datatek Applications, Inc., 721 Rte. 202-206, Bridgewater, New Jersey 08807.

If you acquired the SOFTWARE in the United States of America, this Software License is governed by the laws of the State of New Jersey, excluding its choice of laws provisions. If you acquired the SOFTWARE outside the United States of America, local law may apply. This LICENSE constitutes the entire understanding and agreement between you and the Manufacturer in relation to the SOFTWARE and supercedes any and all prior or other communications, statements, documents, agreements or other information between the parties with respect to the subject matter hereof.

9 LIMITATION OF LIABILITY

To the maximum extent permitted by applicable law, in no event shall Manufacturer or its suppliers be liable for any damages whatsoever (including without limitation, special, incidental, consequential, or indirect damages for personal injury, loss of business profits, business interruption, loss of business information, or any other pecuniary loss) arising out of the use of or inability to use this product, even if Manufacturer has been advised of the possibility of such damages. In any case, Manufacturer's and its suppliers' entire liability under any provision of this License shall be limited to the amount actually paid by you for the SOFTWARE and/or the HARDWARE. Because some states/jurisdictions do not allow the exclusion or limitation of liability for consequential or incidental damages, the above limitation may not apply to you.

©Copyright 2001, 2005 Datatek Applications, Inc.
All Rights Reserved
Printed in USA